# BRUHAT BANGALORE MAHANAGARA PALIKE

Office of the Executive Engineer, Dasarahalli Division

## D.T.S

**NAME OF WORK:- Improvements to Concrete roads at Ravindra Nagar in ward 13 shettyhalli Sub division**

| S No | Item Name | Unit | Quantity | Rate In Figure in Rs | |
|---|---|---|---|---|---|
| | | | | In Figures | in words |
| 1 | KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (PWD,SZB,SR,2018-19. Pg No-140, I. No-18.47) | Cum | 564.98 | | |
| 2 | KSRRB 300-2. Earthwork excavation by manual means in Ordenary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (PWD SR 2018-19 P.No: 143, I.No.: 19.1) | Cum | 294.30 | | |
| 3 | KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications.MORTH -100/ Chapter 1 (PW,P& IWTD SR 2018-19, Pg No 16, Item No. 17.1 & 17 | Cum | 859.28 | | |
| 4 | Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge (Data Rate) | Sqm | 64.80 | | |

| S No | Item Name | Unit | Quantity | Rate In Figure in Rs | |
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| | | | | In Figures | in words |
| 5 | Providing and fixing RCC precast cover slab of 250mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge (Data Rate) | Sqm | 12.96 | | |
| 6 | KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 (PWD SR 2018-19 P.No: 147, I.No.: 19.64) | Sqm | 1884.15 | | |
| 7 | KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2(PW,P& IWTD SR 2018-19,Page No-13 Item No-4.2) | Cum | 110.30 | | |

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|---|---|---|---|---|---|
| | | | | In Figures | in words |
| 8 | Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)(PW,P& IWTD SR 2018-19, Pg No 176, Item No. 22.6.1) | Cum | 97.99 | | |
| 9 | Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. - of size 450 x 200 x 400 mm (PWD SR 2018-19 P.No: 27, I.No.: 5.29.1) | No | 911.78 | | |
| 10 | KSRRB M500- 4 Providing and applying primer coat for surfaces of medium porosity like cement stabilized soil base @ 0.90kg/sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour, HOM of machineries complete as per specifications.. MORTH Chapter 501 of MORTH V revision (PWD SR 2018-19 P.No: 158, I.No.: 21.5) | Sqm | 1230.90 | | |

| S No | Item Name | Unit | Quantity | Rate In Figure in Rs | |
|---|---|---|---|---|---|
| | | | | In Figures | in words |
| 11 | KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixd material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. MORTH /Chapter 5 - using 100/120 TPH capacity H.M.P. with sensor paver Gr-1 (50 mm to 75mm) with 3.3 % VG-30 Bitumen (PWD SR 2018-19 P.No: 159, I.No.: 21.11.2) | Cum | 61.55 | | |
| 12 | KSRRB M500- 4 Providing and applying primer coat for surfaces of medium porosity like cement stabilized soil base @ 0.90kg/sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour, HOM of machineries complete as per specifications.. MORTH Chapter 501 of MORTH V revision (PWD SR 2018-19 P.No: 158, I.No.: 21.5) | Sqm | 1230.90 | | |
| 13 | KSRRB M500-19. Providing and laying bituminous concrete, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specification clause No. 500.7 of MORTH Vrevision using 120 TPH capacity Asphalt batch mix plant with sensor paver Gr -II (30 mm to 40 mm) with 5.4 % VG-30 Bitumen (PWD SR 2018-19 P.No: 162, I.No.: 21.22.2) | Cum | 36.93 | | |

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|---|---|---|---|---|---|
| | | | | In Figures | in words |
| 14 | KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (PWD SR 2018-19 P.No: 182, I.No.: 24.5) | Sqm | 92.32 | | |
| 15 | KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (PWD SR 2018-19 P.No: 180, I.No.:24.1) | Sqm | 184.64 | | |

Number of corrections

Executive Engineer
Dasarahalli Division

DTS Approved

ಕಂಡಿಕೆ( )ರಲ್ಲಿ ವಿವರಿಸಿರುವ ಅಂಶಗಳ ಬಗ್ಗೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು(ವಿ.ವಿ.....)ರವರು
ದೃಢೀಕರಿಸಿಕೊಳ್ಳುವ ಪರತ್ತಿಗೆ ಒಳಪಡಿಸಿ ಡಿ.ಟಿ.ಎಸ್
ಅನುಮೋದಿಸಿದೆ.
ಕರದು ಬಂದರ್ ಷೆಡ್ಯೂಲ್‌ನ್ನು ತಿದ್ದುಪಡಿ ಮಾಡದಂತೆ
ತಿದ್ದುಪಡಿ ಇಲ್ಲದೆ ಅನುಮೋದನೆ ನೀಡಲಾಗಿದೆ.
ತಿದ್ದುಪಡಿಗಳ ಒಟ್ಟು ಸಂಖ್ಯೆ:- Nil -
ರದ್ದುಗೊಳಿಸಿರುವ ಒಟ್ಟು ಪುಟಗಳ ಸಂಖ್ಯೆ:- Nil -

ಮುಖ್ಯ ಅಭಿಯಂತರರು (ದಾಬಸ್‌ಪೇಟೆ)